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FEELING FOR MORE

CT370
Chiller Tube Cleaner -Operation Manual

Compact Size
Portable&Durable

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Chiller Tube Cleaner
Compact Size
Portable&Durable

1.Notices before usage

Thank you for buying WIPCOOL COMPACT Series chiller tube cleaning machine, we are dedicated to providing you with high quality products.
Please check if your ordered product is in good shipment condition with the correct accessories, any damage during transportation, please contact us or the local distributors in time.
This manual gives instructions on the correct operation, it's important that you follow this instructions carefully.
If there is any change in the product (including the specification), we won't inform you any more.

2.Product intended usage

Of the many components of a chiller, the tubes are one of the most impactful in terms of overall energy efficiency. If your condenser is struggling to reach a full refrigeration load or has been reaching higher pressures than expected, it's likely you have build up that's increasing your energy spend. Cleaning efficiency-robbing deposits in heat exchanger tubes is essential in order to maintain maximum heat exchanger performance and lifetime.

The WIPCOOL's CT370 a widely used tube cleaning system in commercial and industrial applications. This is due to a number of factors, including performance, as well as overall design. It is easy to move because of a strong housing and trolley case. Furthermore, it is a simple and cost-effective, interesting tube cleaner. The system has a fixed speed of 860RPM, also known as the best speed for internal cleaning of tubes. The CT370 has a Quick-Connect coupling system, allowing flexible shafts to be connected to the brushes within 5 seconds.

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Technical Specifications :

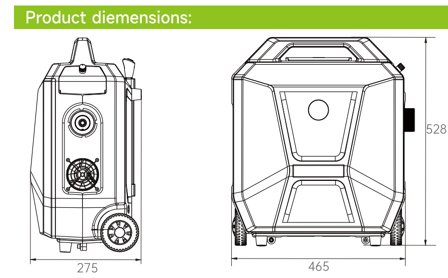
Model	CT370
Voltage	230V~/50-60Hz or 100-120V~/50-60Hz
Input Power	370W
Shaft Speed	860r/min
Weight	24kgs
Diemensions	465*275*528mm

Box Contents :

1	Tube cleaner	4	Flexible Shaft
2	2 boxes of brushes (1/2"-1")	5	Foot switch
3	2m inlet hose	6	Tool bag

Brush size	inch	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	15/16"	1"
	mm	12.7	14.3	15.9	17.5	19.1	20.6	22.1	23.8	25.4

Product diemensions:



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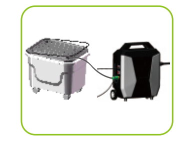
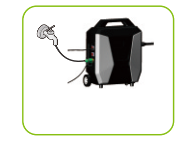
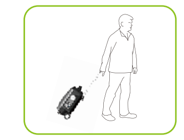
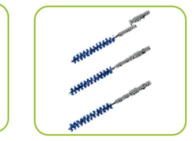
3.Product features


Self-suction function.


Also can use with tap water


Trolley case design

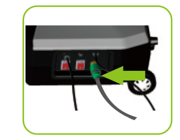

Fast connect structure

4.Operation steps

A storage bag for brushes inlet hose, and foot switch

A box of brushes stored in the main body

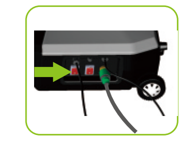
Connect with the foot switch


Connect with inlet hose

Connect with flexible shaft

Make sure the shaft core is in the right position

Find the correct size of brush and connect with the shaft


Plug in and power on to start the cleaning work

5.Important Safety Instructions

⚠ **WARNING**
Read and understand all instructions before using the unit. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

5.1. Work Area
• Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
• Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
• Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

5.2. Personal Safety
• Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.
• Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.

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• Do no overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
• Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, and hearing protection are recommended.

5.3. Operational Safety
• This unit is to be used only by trained operators.
• Keep clear of moving shaft. Make sure the shaft will not catch on anything while in use.
• Be sure to select the proper size flexible shaft and tool for the job. Do not force the tool. Use the correct tool for the application.
• Check flexible shaft for weak or worn condition before each use. Make certain that all connections are tight and secure.
• Do not use with flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in explosive atmospheres.
• Disconnect the plug from the power source and turn off water supply before disconnecting hoses, fittings, or flexible shaft and before making any adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the unit accidentally.
• Do not use tool if foot switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
• Store idle tools out of reach from children and other untrained persons. Tools are dangerous in the hands of untrained users.
• Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.
• Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.
• If the machine does not operate properly or is damaged, contact WIPCOOL local distributor.

5.4 Service
• Unplug the power cord when servicing the unit or leaving the machine unattended.
• Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
• When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

Do's

• Keep this manual with the unit at all times.
• Always grasp the plug - not the cord - when unplugging from AC power.
• Always run clean water through the unit.
• Always secure the unit while transporting to prevent it from damage.
• Store unit indoors in a cool, dry area and protect from freezing. If the unit is stored in an unheated location and temperatures reach freezing, damage to the internal components may occur.
• Always be extra careful when not on level, secure ground.
• Keep operational area clear of all persons.
• Use only WIPCOOL recommended attachments.

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Don'ts

• Don't use the CT370 if it is not in good operating condition, is not completely assembled, or is damaged. Always inspect the unit to ensure there are no leaks.
• Don't operate without eye protection.
• Don't spray the CT370 with high-pressure water. Wipe it down with a damp rag.
• Don't point flexible shafts at people or animals as the end of the shaft rotates at high speeds which may cause serious injury.
• Don't use the unit with combustible fluids.
• Don't roll the unit over the power cord or pull the cord around sharp corners. Keep the cord away from HOT surfaces.
• Don't expose unit to rain.
• Don't allow water to freeze in unit.
• Don't use the machine if it has a damaged cord or plug.
• Don't use the unit in an environment or on objects that are above 175° F (79° C).
• Don't use unit with children in the immediate area.

6.Grounding/Electrical Safety

• Make certain that the power source conforms to the requirements of the equipment.
• This product must be grounded. If it should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user. Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way.

⚠ **DANGER!!**
Improper connection of the equipment-grounding conductor can result in risk of electrocution. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.
electric shock. Store unit indoors in a cool, dry area.

⚠ **DO NOT USE ANY TYPE OF ADAPTER PLUG WITH THIS PRODUCT.**
• Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-pole cord connectors that accept the plug from the product. Use only extension cords that are rated for outdoor use. These extension cords are identified by a marking, "Acceptable for outdoor use; store indoors while not in use". Do not use damaged extension cords. Examine extension cord before using and replace if damaged. When using an extension cord, be sure to use one large enough to carry the current the product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. If in doubt, use the next heavier gage. The smaller the gage number, the larger the cord.
• Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
• Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
• Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. Store unit indoors in a cool, dry area.

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7.Maintenance & Storage

Maintenance
Keep machine clean and dry to maximize performance and longevity. Follow maintenance outlined in this manual, such as checking for weak spots, leaks, slices or cuts in hose, replace shafts when worn. Additional maintenance details follow in this manual. If the machine does not operate properly or has been damaged or exposed to water, call the factory for assistance — do not try to service the unit yourself.

Storage
Disconnect water supply line. Disconnect the flexible shaft and drain water to prevent rusting of shaft. Do not store machine where residual water in machine may freeze.

8.Warranty
This unit has been carefully tested and inspected and is warranted to be free from defects in material or workmanship. The WIPCOOL will, under this warranty, repair or replace any parts which prove, upon examination, to be defective. This warranty is valid for one year from date of purchase by original purchaser.

This warranty excludes accessories, unusual wear, abuse, damage resulting from an accident, or unreasonable use of this machine. It is recommended that any repairs be contact your local distributer or contact WIPCOOL directly.

WIPCOOL reserves the right to improve products. Contact the factory for the latest configuration and uses.

9.Troubleshooting

Problem	Probable Cause	Remedy
Water leaking from base	Leak in water circuit plumbing	Disconnect power. Check hoses and fittings for leaks. Tighten loose connections.
	Leak at shaft manifold seal	Check for leak where drive shaft enters shaft manifold. Replace manifold seal.
Runs for short period of time and/or stops	Electrical short to ground	There may be an unsafe electrical condition
	Overheated	Allow unit to cool,then re-start.
Motor runs but shaft/ brush does not turn	Problem drive coupler	Disconnect power. Check drive coupler for damage.
	Broken flexible shaft	Replace shaft fittings and/or core.
No water through flexible shaft	Problem with water supply	Water supply not on, restrictions in hose or hose too small, water supply pressure insufficient.
	Inlet screen clogged	Remove hose and clean screen..
	Self-intake pump problem	Replace the self-intake pump

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Wipcool Compact Series Cleaning Machine

C40T
Adjustable high pressure cleaning machine

C30S
Steam cleaning machine

C10
Portable coil cleaning machine

C10B
Cordless coil cleaning machine

C10BW
Integrated coil cleaning machine

ES140
Cordless electrostatic sprayer

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